

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	783	52/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 12:26
L2	992	52/200.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 12:26
L3	2270	52/461,469,582.1,588.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 12:27
L4	338	clip and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:27
L5	15	("4649684"   "4870798"   "4987716"   "5222340"   "5737892").PN. OR ("6354045").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/05 12:30
L6	36	("1723166"   "1820700"   "2417899"   "2704687"   "3209503"   "3323269"   "3335530"   "3388518"   "3641729").PN. OR ("4009548").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/05 12:56
L7	26	("3343309"   "3447273"   "4009548"   "4117638"   "4155206"   "4366656"   "4437283"   "4472913"   "4476658"   "4520610"   "4534148"   "4543758"   "4586301"   "4602468"   "4617770"   "4620397"   "4641475"   "4649684"   "4741132").PN. OR ("5230192").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/05 12:57
S1	13	("4514952" "4400922" "4184299" "4139974" "5363624" "1882105").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/27 13:57
S2	2	"6845592"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/27 14:15
S3	2	"20050102943"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/27 13:51

## EAST Search History

S4	12	("4184299" "4193247" "4261998" "4495743" "4543760" "4575983" "5001882" "5181360" "5222341" "5363624" "5606838" "6164024").pn.	USPAT	OR	OFF	2006/06/27 13:59
S5	2	"6079167".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/27 14:19
S6	2	"20040177577"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/27 14:19
S7	13	("4514952" "4400922" "4184299" "4139974" "5363624" "1882105").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 05:43
S8	2	"6845592"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 05:39
S9	2	"20050102943"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 05:39
S10	12	("4184299" "4193247" "4261998" "4495743" "4543760" "4575983" "5001882" "5181360" "5222341" "5363624" "5606838" "6164024").pn.	USPAT	OR	OFF	2006/06/28 05:43
S11	2	"6079167".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 05:39
S12	2	"20040177577"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 05:39
S13	6	("4514952" "4400922" "4184299" "4139974" "5363624" "1882105").pn.	US-PGPUB; USPAT	OR	OFF	2006/06/28 05:43
S14	16	S10 S13	USPAT	OR	OFF	2006/06/28 05:43

## EAST Search History

S15	52	("1141445"   "1988647"   "2293351"   "2312994"   "2784814"   "2841255"   "3002591"   "3022869"   "3046852"   "3257758"   "3290850"   "3299595"   "3386221"   "3421276"   "3984961"   "4035539"   "4057936"   "4084272"   "4135342"   "4193232"   "4222210"   "4223493"   "4242849"   "4299070"   "4332119"   "4573300"   "4998395"   "5348790"   "5387456"   "5845446"). PN. OR ("6164024").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 05:43
S16	46	("0616617"   "0981813"   "1119829"   "1379359"   "1773299"   "1882105"   "20020124514"   "2073278"   "2653686"   "3063201"   "3916589"   "4139974"   "4184299"   "4193247"   "4361998"   "4400922"   "4463534"   "4495743"   "4514952"   "4543760"   "4575983"   "4796403"   "4999951"   "5001882"   "5181360"   "5222341"   "5363624"   "5514952"   "5606838"   "5692345"   "5974752"   "5998747"   "6148565"   "6164024"   "6289646"   "6354045"   "6588165").PN. OR ("6845592").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 06:46
S17	783	52/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 06:47
S18	493	52/461.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 06:47
S19	239	52/469.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 06:47
S20	477	52/582.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 06:47
S21	481	52/588.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 06:47
S22	550	52/520.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 07:36

## EAST Search History

S23	371	52/395.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 07:19
S24	119	403/80,72.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 06:58
S25	7	"5363624"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 06:58
S26	18	("2408557"   "2855871"   "4034532"   "4184299"   "4213282"   "4361998"   "4400924"   "4417431"   "4495743"   "4575983"   "4583339"   "4641475"   "5181360"   "5187911"   "5222341"   "5230192").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:01
S27	268	52/466.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 07:01
S28	17	("1762756"   "2095434"   "2680503"   "2790691"   "3486281"   "4117638"   "4139974"   "4366656").PN. OR ("4476658").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:09
S29	17	("1723166"   "3486281"   "3708943"   "3998019"   "4361998"   "4404777"   "4463533"   "4476658").PN. OR ("4649684").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:09
S30	17	("1762756"   "2095434"   "2680503"   "2790691"   "3486281"   "4117638"   "4139974"   "4366656").PN. OR ("4476658").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:24
S31	4	("2686700").URPN.	USPAT	OR	OFF	2006/06/28 07:31
S32	8	("1786497" "1893481" "2101344" "2104550" "2166196" "2327585" "2484283" "2582816").pn.	USPAT	OR	OFF	2006/06/28 07:31
S33	581	52/478.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 07:36
S34	138	52/544.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 08:45

## EAST Search History

S35	14	("1273500"   "2057819"   "2558720"   "3590543"   "4034532"   "4435937"   "4522005"   "4728235"   "4865881"   "4972647").PN. OR ("5867959").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:38
S36	29	("1816556"   "2015129"   "3225504"   "3390856"   "3982373"   "3998019"   "4102105"   "4120123"   "4177615"   "4213282"   "4269012"   "4296581"   "4348846").PN. OR ("4522005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:40
S37	14	("1273500"   "2057819"   "2558720"   "3590543"   "4034532"   "4435937"   "4522005"   "4728235"   "4865881"   "4972647").PN. OR ("5867959").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:41
S38	11	("3909998"   "4058949"   "4102105"   "4114338"   "4348846").PN. OR ("4435937").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:42
S39	31	("1882105"   "3020988"   "3116776"   "3323269"   "3708943"   "3998019").PN. OR ("4102105").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:43
S40	31	("0892248"   "1539632"   "1882105"   "3047111"   "3555758"   "3999348"   "4034532"   "4102105"   "4337606").PN. OR ("4570404").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:53
S41	1028	S7 S8 S10 S11 S12 S13 S14 S15 S16 S24 S26 S28 S29 S23 S30 S31 S32 S34 S27 S35 S36 S37 S38 S39 S40	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 07:54
S42	425	S22 not S41	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 08:44
S43	0	("495875").URPN.	USPAT	OR	OFF	2006/06/28 08:38
S44	0	("492513").URPN.	USPAT	OR	OFF	2006/06/28 08:39
S45	1	("417946").URPN.	USPAT	OR	OFF	2006/06/28 08:42
S46	1453	S22 S41	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 08:44
S47	175	52/549.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 08:45
S48	218	52/551.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 08:45
S49	376	S47 S48	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 08:45

## EAST Search History

S50	307	S49 not S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 08:54
S51	408301	S49 "340"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 08:54
S52	1715	S49 S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 08:54
S53	436	S33 not S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 10:30
S54	6	("2735383"   "3590543"   "3708943"). PN. OR ("4402168").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 08:58
S55	85	52/748.11.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 10:13
S56	0	"1882105".ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 10:13
S57	1	"1882105".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 11:30
S58	2151	S33 S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 10:30
S59	205	hook and S58	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/28 10:30
S60	28	("1810287"   "1882105"   "2250764"   "3289365"   "3353319"   "3852933"   "3858373"   "3945166"   "3999348"   "4034532"   "4096681"   "4213282"   "4514952"   "4570404").PN. OR ("5001881").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 10:53
S61	31	("0892248"   "1539632"   "1882105"   "3047111"   "3555758"   "3999348"   "4034532"   "4102105"   "4337606"). PN. OR ("4570404").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 10:54

## EAST Search History

S62	18	("1882105").URPN.	USPAT	OR	OFF	2006/06/28 10:58
S63	20	("1882105"   "3111788"   "3889439"   "3903670"   "4224775"   "4296581").PN. OR ("4514952").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 10:59
S64	40	("1882105"   "3889437"   "3998019"   "4102105"   "4177615"   "4193247"   "4213282"   "4361998"   "4435937"   "4495743"   "4497151"   "4514952"   "4522005").PN. OR ("4575983").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 11:00
S65	61	("1691638"   "1882105"   "2317428"   "3209503"   "3304827"   "3309829"   "3398496"   "3517903"   "3824756").PN. OR ("3998019").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 11:03
S66	40	("2063159"   "2284898"   "3559359"   "3583121"   "3740917"   "3845930"   "3998019"   "4099357"   "4106256"   "4133161"   "4155209"   "4213282"   "4217741"   "4269012"   "4314428"   "4329823"   "4408423"   "4522005"   "4528789"   "4562683"   "4597234"   "4677795"   "4686809"   "4694628"   "4700522"   "4706434"   "4819398"   "4870798"   "4987716"   "5038543"   "5142838"   "5201158"   "5241785"   "5303528"   "5379517"   "5524409"   "5737894").PN. OR ("6889478").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/28 11:03
S67	1	"20050102943".pn. and sliding	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 12:12
S68	1	"20050102943".pn. and blockage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/28 12:12